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DATE: Tuesday, September 27, 2005

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<i>DB=PGPB; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L4	L3 and organoaluminum and alkylaluminum (conjugated diene or butadiene or isoprene and rare earth or lanthanide and	107
<input type="checkbox"/>	L3	alumoxane or aluminoxane and isothermal or adiabatic and branching index).clm.	45194
<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L2	(526/164)![CCLS]	212
<input type="checkbox"/>	L1	(526/153)![CCLS]	486

END OF SEARCH HISTORY

10/736,744

FILE 'USPAT2' ENTERED AT 19:21:48 ON 27 SEP 2005
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FILE 'CAPLUS' ENTERED AT 19:21:48 ON 27 SEP 2005
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FILE 'JAPIO' ENTERED AT 19:21:48 ON 27 SEP 2005
COPYRIGHT (C) 2005 Japanese Patent Office (JPO) - JAPIO

=> s (butadiene or isoprene) (3a) (polymer?) (s) (cataly? (3a) (rare earth or neodymium or samarium))

L1 624 (BUTADIENE OR ISOPRENE) (3A) (POLYMER?) (S) (CATALY? (3A) (RARE EARTH OR NEODYMIUM OR SAMARIUM))

=> s l1 and alumoxane or aluminoxane

L2 13012 L1 AND ALUMOXANE OR ALUMINOXANE

=> s (rare earth or neodymium or samarium) (s) alumoxane or aluminoxane

L3 13020 (RARE EARTH OR NEODYMIUM OR SAMARIUM) (S) ALUMOXANE OR ALUMINOXANE

=> s (rare earth or neodymium or samarium) (s) (alumoxane or aluminoxane)

L4 197 (RARE EARTH OR NEODYMIUM OR SAMARIUM) (S) (ALUMOXANE OR ALUMINOXANE)

=> s l1 and l4

L5 82 L1 AND L4

=> s l5 and organoaluminum or trialkylaluminum or alkylaluminum or triethylaluminum or triisobutylaluminum

L6 29237 L5 AND ORGANOALUMINUM OR TRIALKYLALUMINUM OR ALKYLALUMINUM OR TRIETHYLALUMINUM OR TRIISOBUTYLALUMINUM

=> s l5 and aluminum(2a)halide or diethylaluminum halide or diethylaluminum chloride

L7 7596 L5 AND ALUMINUM(2A) HALIDE OR DIETHYLALUMINUM HALIDE OR DIETHYL ALUMINUM CHLORIDE

=> s l5 and (aluminoxane or alumoxane) (s) (aluminum(2a) (halide or chloride or fluoride))

L8 1 L5 AND (ALUMINOXANE OR ALUMOXANE) (S) (ALUMINUM(2A) (HALIDE OR CHLORIDE OR FLUORIDE))

=> d 18 1 ibib abs

L8 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 1999:163334 USPATFULL

TITLE: Resin particle produced by diene polymerization with rare earth and transition metal catalysts

INVENTOR(S): Apecetche, Maria Angelica, Piscataway, NJ, United States

Cann, Kevin Joseph, Rocky Hill, NJ, United States

Zhang, Minghui, Bridgewater, NJ, United States

PATENT ASSIGNEE(S): Union Carbide Chemicals & Plastics Technology Corporation, Danbury, CT, United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6001478 19991214

APPLICATION INFO.: US 1997-907767 19970808 (8)

DOCUMENT TYPE: Utility

(iv), when used, is always added last to the reaction mixture. Ingredients (i), (ii), and (iii) can be mixed in any order in the presence of the diolefin (v) which can be the same or different from the diene(s) to be polymerized. Preferably, the diolefin (v) is the same as at least one of the dienes being polymerized. Most preferably, the diolefin (v) is butadiene (usually 1,3-butadiene) or isoprene, and not a mixture of the two. Other diolefins which can be employed include polybutadiene, isoprene, polyisoprene, 1,3-cyclooctadiene, styrene, polystyrene, and styrene-butadiene rubber (SBR).

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(FILE 'HOME' ENTERED AT 19:21:08 ON 27 SEP 2005)

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FILE 'USPATFULL, USPAT2, CAPIUS, JAPIO' ENTERED AT 19:21:48 ON 27 SEP 2005

L1	624 S (BUTADIENE OR ISOPRENE) (3A) (POLYMER?) (S) (CATALY? (3A) (RARE EAR
L2	13012 S L1 AND ALUMOXANE OR ALUMINOXANE
L3	13020 S (RARE EARTH OR NEODYMIUM OR SAMARIUM) (S) ALUMOXANE OR ALUMINOX
L4	197 S (RARE EARTH OR NEODYMIUM OR SAMARIUM) (S) (ALUMOXANE OR ALUMINO
L5	82 S L1 AND L4
L6	29237 S L5 AND ORGANOALUMINUM OR TRIALKYLALUMINUM OR ALKYLALUMINUM O
L7	7596 S L5 AND ALUMINUM(2A)HALIDE OR DIETHYLALUMINUM HALIDE OR DIETH
L8	1 S L5 AND (ALUMINOXANE OR ALUMOXANE) (S) (ALUMINUM(2A) (HALIDE OR